FIG. 1

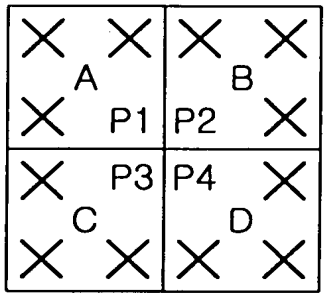
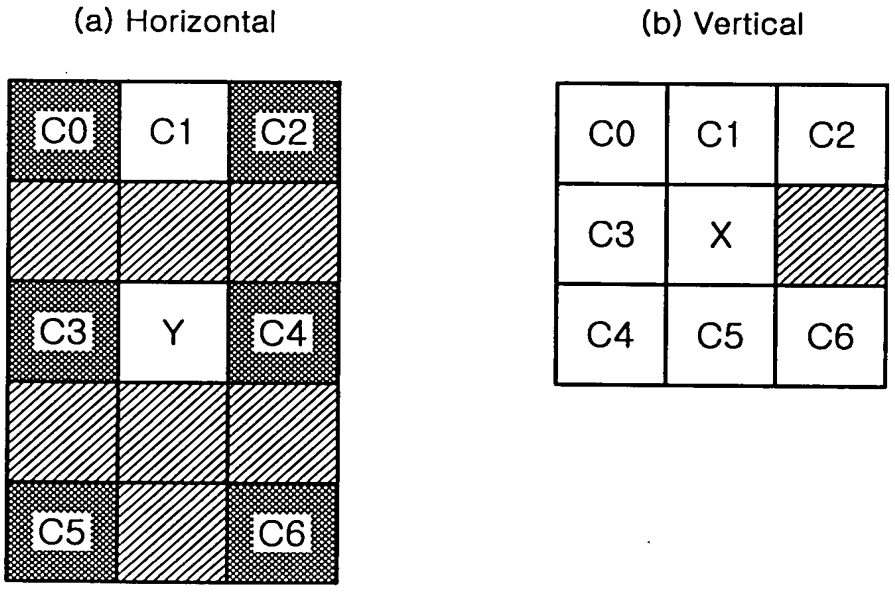


FIG. 2



660070 "Patent"

FIG. 3

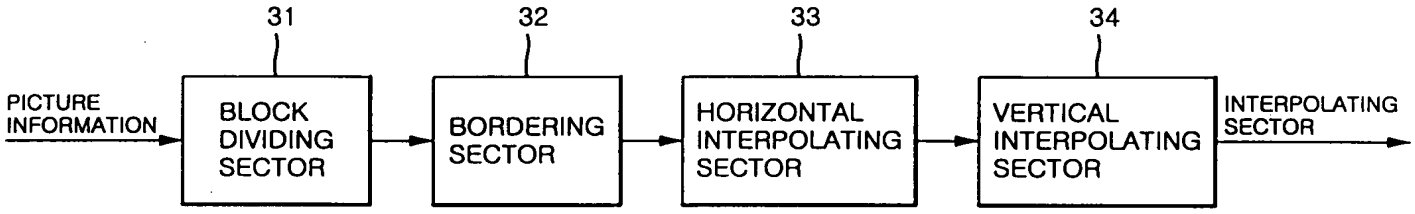

31
32
33
34
PICTURE INFORMATION
BLOCK DIVIDING SECTOR
BORDERING SECTOR
HORIZONTAL INTERPOLATING SECTOR
VERTICAL INTERPOLATING SECTOR
INTERPOLATING SECTOR

FIG. 7

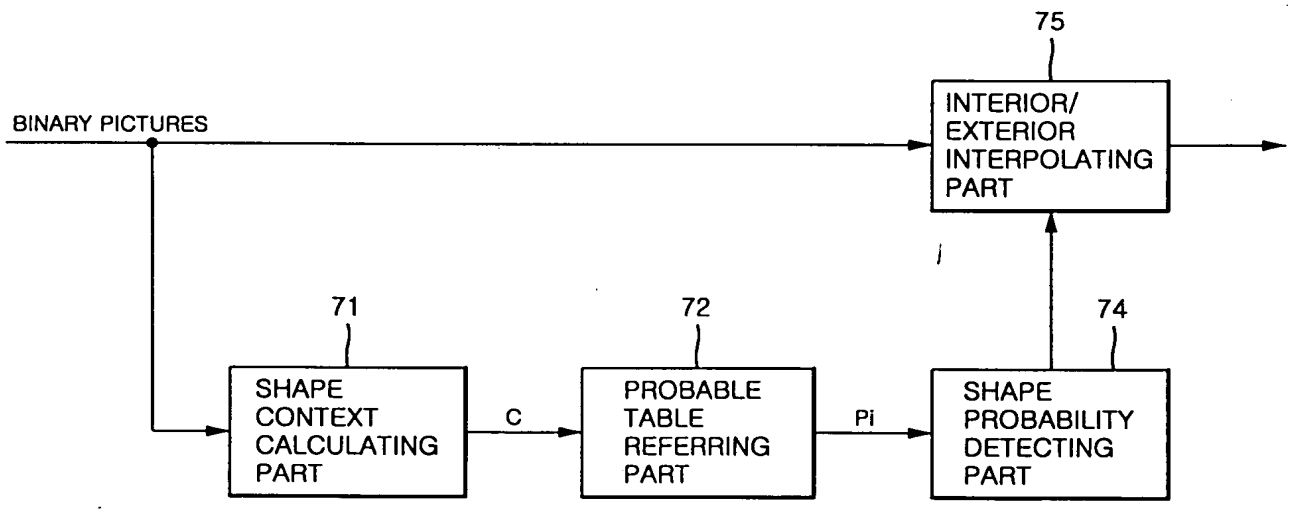

75
BINARY PICTURES
INTERIOR/ EXTERIOR INTERPOLATING PART
71
72
74
SHAPE CONTEXT CALCULATING PART
C
PROBABLE TABLE REFERRING PART
Pi
SHAPE PROBABILITY DETECTING PART

FIG. 4

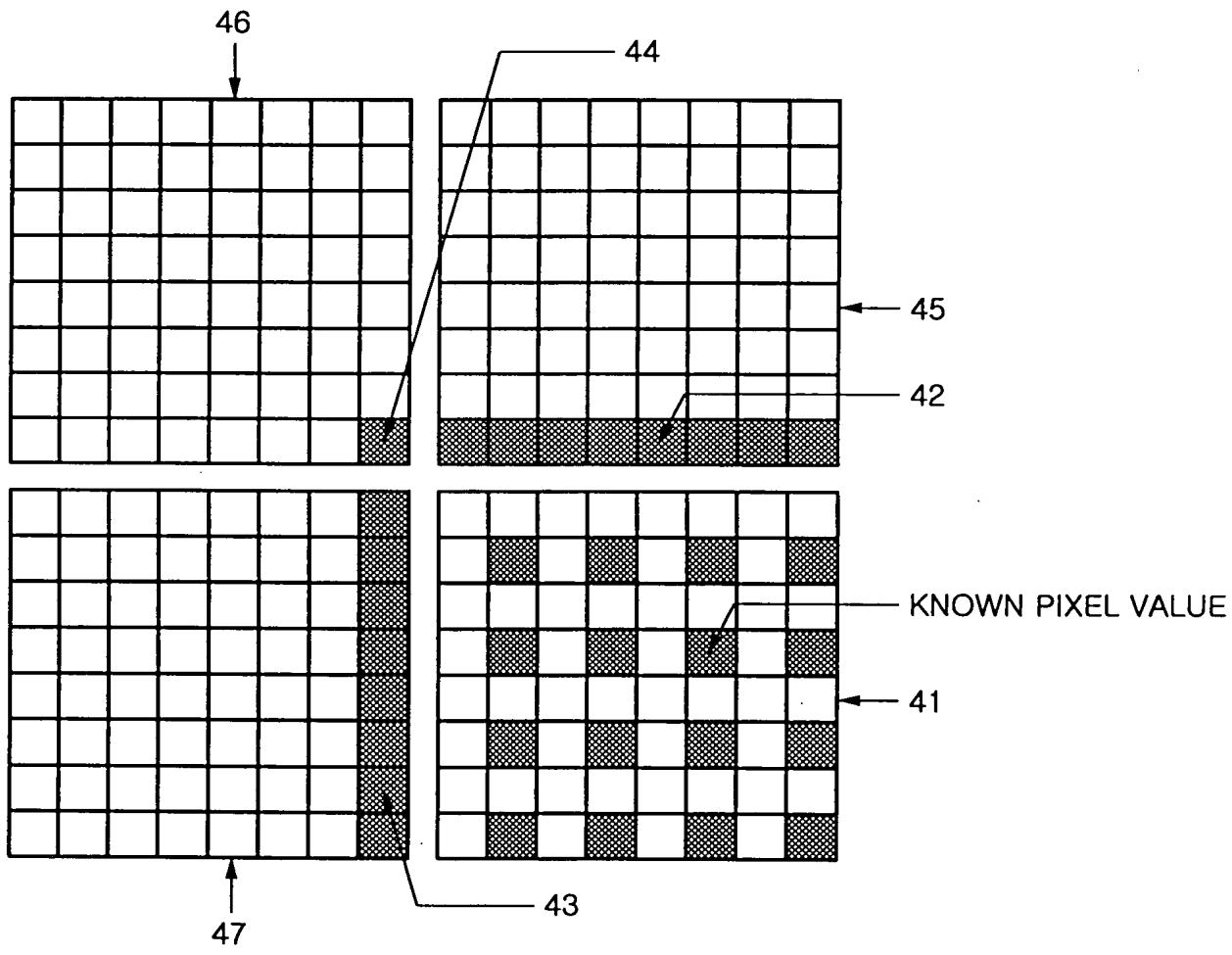


FIG. 5

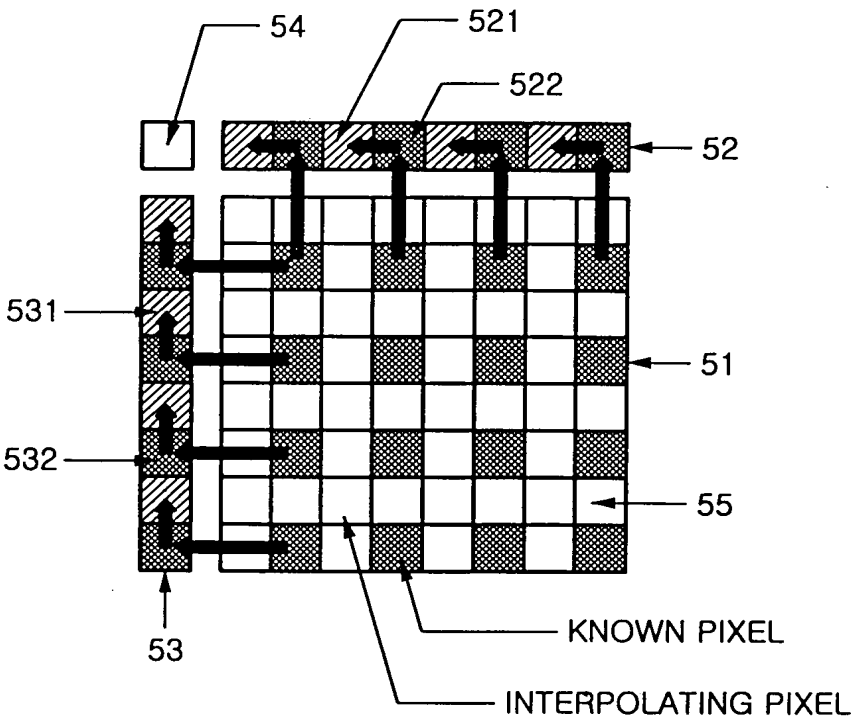

54
521
522
52
531
51
532
55
53
KNOWN PIXEL
INTERPOLATING PIXEL

FIG. 6

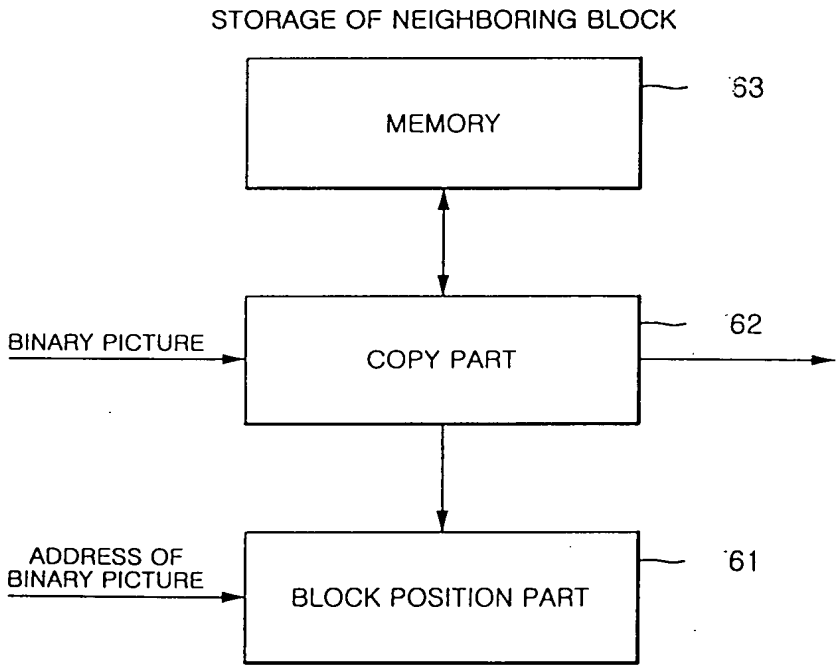
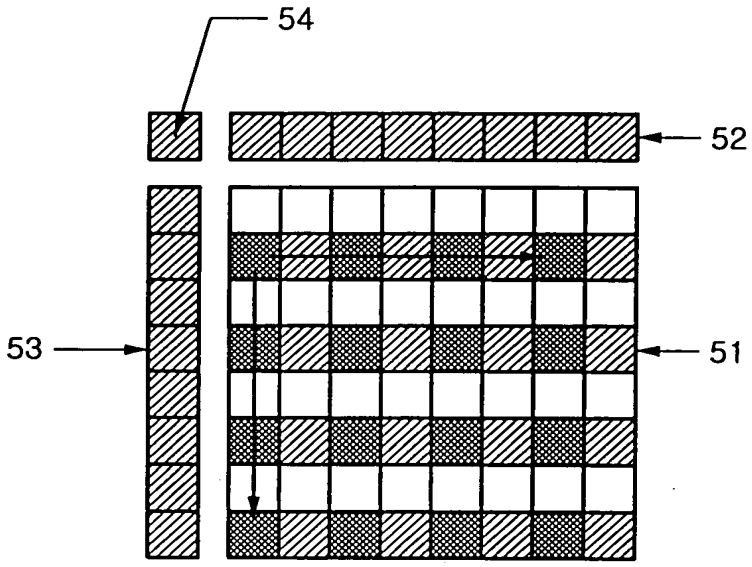
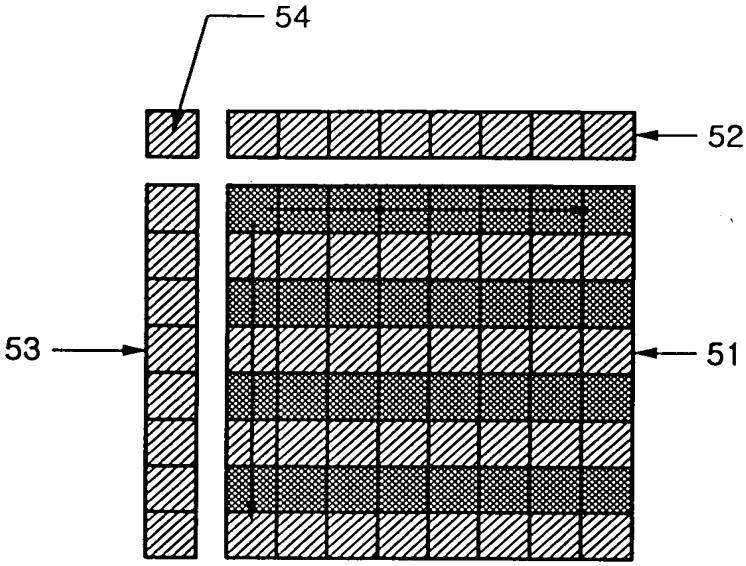

STORAGE OF NEIGHBORING BLOCK
MEMORY
63
BINARY PICTURE
COPY PART
62
ADDRESS OF
BINARY PICTURE
BLOCK POSITION PART
61

FIG. 8



(a) HORIZONTAL INTERPOLATION



(b) VERTICAL INTERPOLATION

FIG. 9

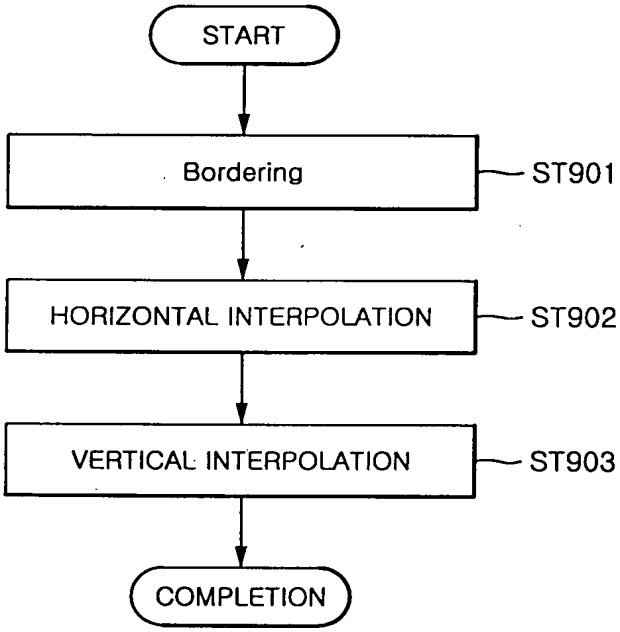

START
Bordering
ST901
HORIZONTAL INTERPOLATION
ST902
VERTICAL INTERPOLATION
ST903
COMPLETION

FIG. 10

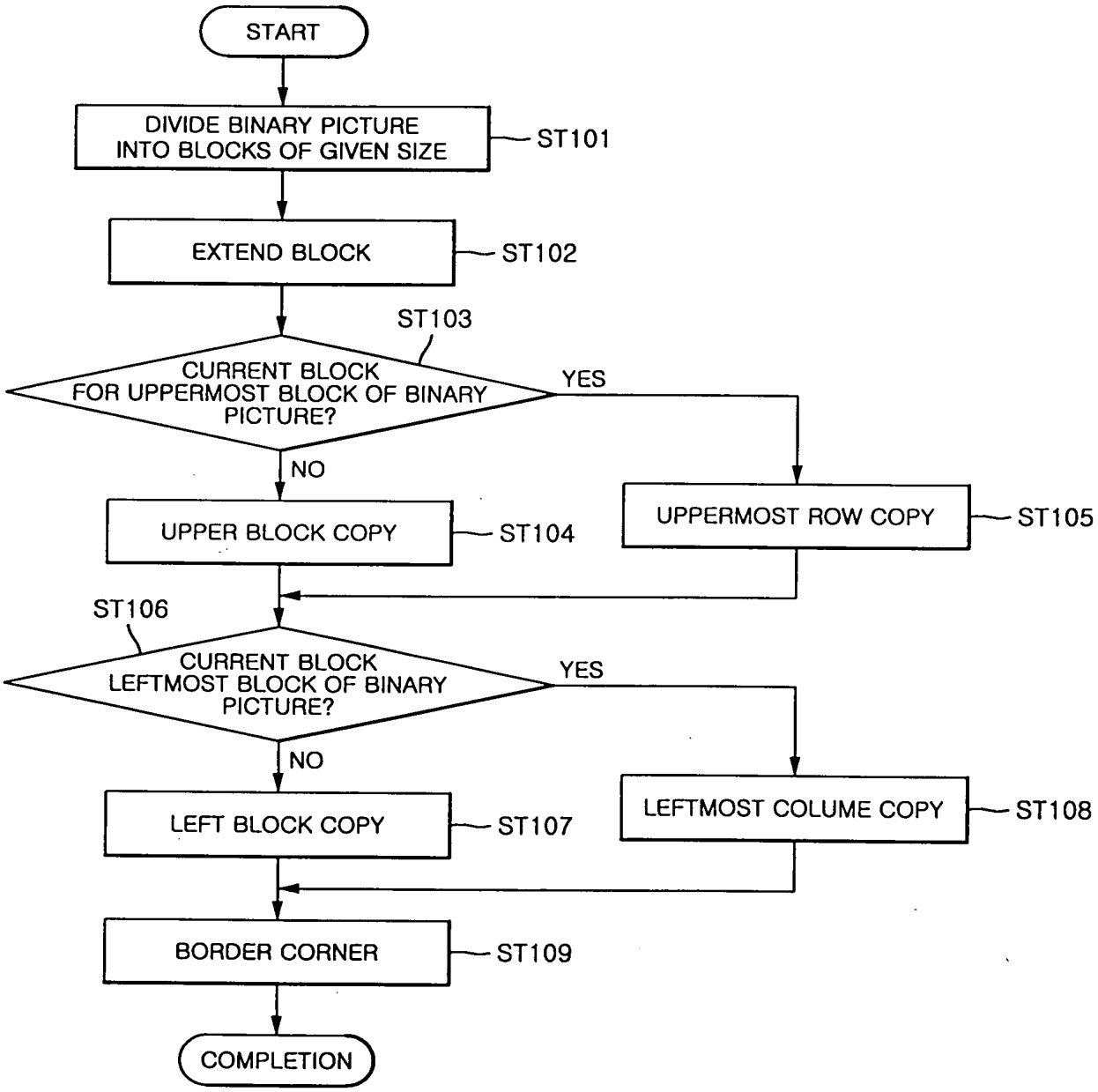
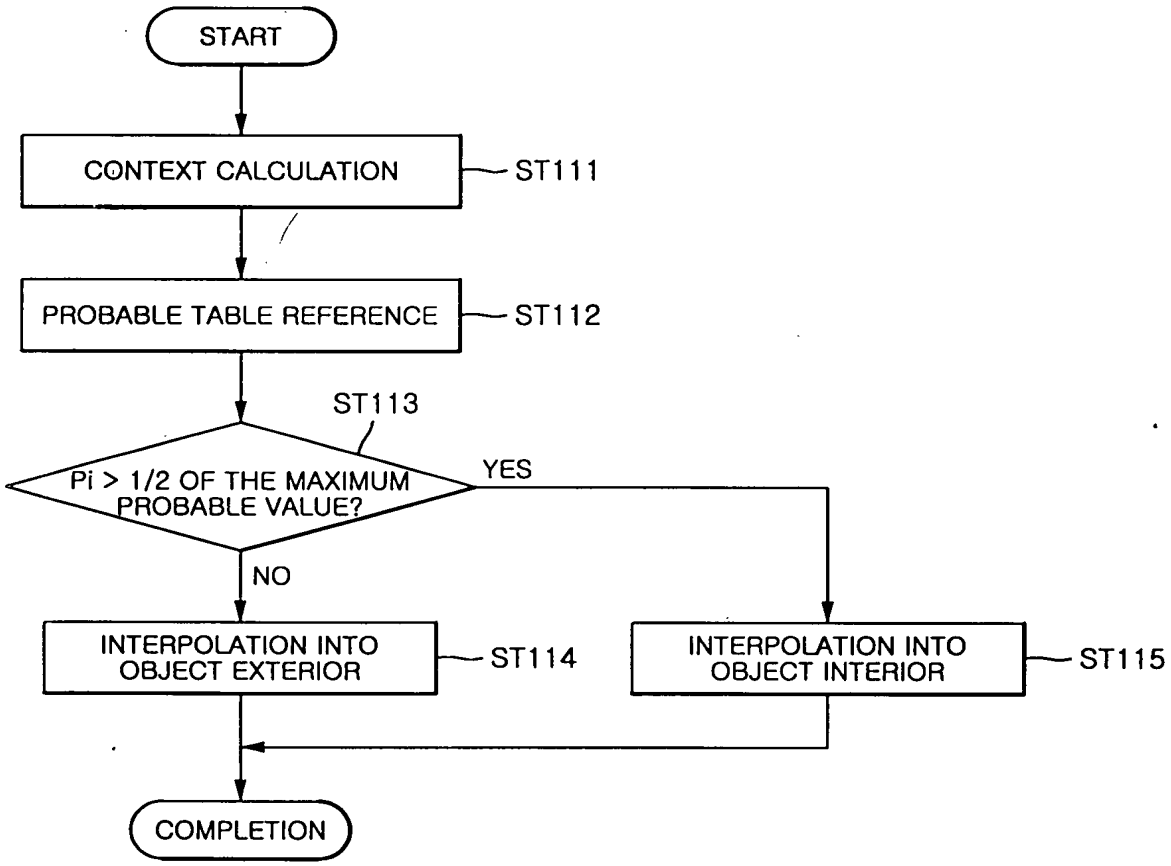

START
DIVIDE BINARY PICTURE INTO BLOCKS OF GIVEN SIZE
ST101
EXTEND BLOCK
ST102
ST103
CURRENT BLOCK FOR UPPERMOST BLOCK OF BINARY PICTURE?
YES
NO
UPPER BLOCK COPY
ST104
UPPERMOST ROW COPY
ST105
ST106
CURRENT BLOCK LEFTMOST BLOCK OF BINARY PICTURE?
YES
NO
LEFT BLOCK COPY
ST107
LEFTMOST COLUME COPY
ST108
BORDER CORNER
ST109
COMPLETION

FIG. 11


START
CONTEXT CALCULATION
ST111
PROBABLE TABLE REFERENCE
ST112
ST113
Pi > 1/2 OF THE MAXIMUM PROBABLE VALUE?
YES
NO
INTERPOLATION INTO OBJECT EXTERIOR
ST114
INTERPOLATION INTO OBJECT INTERIOR
ST115
COMPLETION